N61Vn Series Notebook PC

Rev 1.0 2009/ Aug

Processor & Cache

- **Intel® Core™2 Quad Mobile Processor Q9000 with 6MB on-Die L2 Cache. FSB=1066Mz (optional on N61Vn)**
- **Intel® Core™2 Duo Mobile Processor T9600 with 6MB On-Die L2 Cache. FSB=1066Mz**
- **Intel® Core™2 Duo Mobile Processor P8800/P8700/P7550/P7450/P7350 with 3MB On-Die L2 Cache. FSB=1066Mz**
- **Intel® Core™2 Duo Mobile Processor T6600/T6500/T6400 with 2MB On-Die L2 Cache. FSB=800Mz**
- **Intel® Core™2 Duo Mobile Processor T5900 with 2MB On-Die L2 Cache. FSB=800Mz**

* Intel's numbering is not a measurement of higher performance.
NOTE: Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

Operating System

Preinstalled Genuine Windows® Vista™ (with Free Upgrade to Windows®7)
- Genuine Home Basic
- Genuine Home Premium
- Genuine Business
- Genuine Ultimate

*Genuine Windows® 7
- Home Premium
- Professional
- Ultimate

* NOTE: Microsoft Windows 7 will be formally available after Oct. 22, 2009.

Chipset

Intel® PM 45, 1066MHz FSB + ICH9M

BIOS

- AMI BIOS code
- **8Mb** Flash EPROM
- PMU, Plug & Play
- Boot from USB, LAN,Ai-Flash 3,Ai-Flash 4, Ai-Flash
- LoJack Support

Main Memory

Standard 1024-MB or 2048-MB 1066-MHz DDR3 SDRAM; 2 x SODIMM slots supporting dual channel memory
Maximum Upgradeable to 4096-MB maximum* (2048-MB SODIMM in slots 1 and 2), BTO option
Dual-Channel Dual Channel DDR3 1066 DRAM support
NOTE: Vista 32bit standard of memory modules at least 512-MB (and above). If you mix memory speeds, the system will perform at the lower memory speed.

Display

Internal 16.0-inch HD (1366 x 768 resolution and 16 M colors)
LED backlight
Seamless LCD panel design

External Up to 32-bit per pixel color depth
VGA port supports resolutions up to 1600x 1200 at 75 Hz, and lower resolutions at up to 85 Hz
NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.

Graphics & Video Module

nVidia GeForce GT 240M with Ext 1G DDR3 VRAM

Multi-Card Reader

8 in 1, Supports SD (Secure Digital), MMC (MultiMedia Card), Memory Stick, Memory Stick Pro, Memory Stick Duo*, Smart Media, xD-Picture card
*NOTE: Memory Stick Duo Adapters are required and sold separately. Inserting a Memory Stick Duo Card directly into your notebook could damage the memory card and/or notebook.

Hard Disk Drive

500-GB 5400/7200* rpm SMART SATA
320-GB 5400/7200* rpm SMART SATA
250-GB 5400/7200* rpm SMART SATA
NOTE: These hard drives are customer removable and will withstand multiple insertion/removal cycles.
Up to 8 GB is reserved for the system recovery software.
*7200rpm HDD are optional to different configuration

Expansion Card Slots

Express Card slot Express Card 34

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Camera
1.3M fixed Camera

Keyboard
- ASUS 348mm Chiclet Keyboard with Number key
- Desktop-Like Ergonomic Full-Size 102/103/107, 2.3mm Travel with Win Function Key
- Add Vista K/B Start Button

Optical Storage Device
5.25" 12.7mm SATA interface
DVD-Super Multi DL
Blu-Ray Combo support(option)

Network Connectivity
Integrated Intel® Wireless WiFi Link 5100 a/g/n, Intel® Wireless WiFi Link 1000 b/g/n, Intel® WiMAX/WiFi 5150 (BTO Optional), integrated IEEE 802.11 b/g/n
Bluetooth module v2.1+EDR
On board 10/100**/1000** Mbps Fast Ethernet controller
Support Wake-On-LAN on S4 AC-In Mode only
HW switch for wireless connectivity

Interface
1 x VGA port
3 x USB 2.0 ports
2 X Audio jack: Audio out/SPDIF/Mic-in
1x Lan RJ45
1 x Express Card 34
1x HDMI
1 x E-SATA
1 x RF in (optional with built-in TV tuner configuration)

LED Status Indicator
Power On/Suspend, Battery-Full/Charging/Low, Bluetooth,Wireless Accessing/Activity
Storage Device Access, Caps Lock

Audio
Built-in Azalia compliant audio chip
Built-in Stereo Speakers and microphone
Support Audio Jack Detector for Vista Basic Logo
Support Audio CODEC criteria for Vista Premium Logo
SRS Premium Sound
Altec Lansing Speaker

Power Management
Full feature SMI power management, Stand-by, Suspend to Disk, and Suspend to RAM
ACPI 1.0 and 2.0 (partially) supported (TBD)
MDP 2003 compatible

Battery
Li-Ion 48/52WHrs, (6 cells: 4400/5600 mAh, 3S2P) (TBD)

Battery Life
Built-in gauge IC
Charging time: 2 hrs Quick charge 90% (Power off) / 4hrs (Power on)/3S2P
2.5 hrs Quick charge 90% (Power off) / 4.5hrs (Power on)/3S3P
Battery low-low enters Save-To-Disk mode. (This setting can be changed by the customers themselves)
NOTE: Battery life will vary depending on the product configuration, product model, applications loaded on the product, power management settings of the product, and the product features used by the customer.
As with all batteries, the maximum capacity of this battery will decrease with time and usage.

Power Supply
External 90-watt AC adapter
Output: 19V DC
Input: 100~240V AC, 50/60Hz universal
2/3 pin power supply system

Hot Keys
Power button
WLAN/Bluetooth On/Off Switch
Instant Launch Keys x 1 : ExpressGate & Power4Gear

Function Keys

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Fn+F1	Suspend Switch	**Fn+F2**	Wireless/Bluetooth switch	**Fn+F5**	Brightness down
Fn+F6	Brightness up	**Fn+F7**	LCD on/off	**Fn+F8**	LCD/External Display switch display
Fn+F9	Touch Pad lock	**Fn+F10**	Volume on/mute	**Fn+F11**	Volume down
Fn+F12	Volume up	**Fn+C**	Splendid	**Fn+Space**	Power 4 Gear+
Fn+V	Camera	**Fn+** ↑	Stop	**Fn+** ↓	Play/Pause
Fn+ ←	Previous section / Previous Track	**Fn+** →	Next section / Next Track		

Pointing Device

Built-in Wide 16:9 Touchpad
2 click buttons
3 fingers Multi-touch function support
Support Pad-Lock Function (Fn+F9 on/off)

Heat Dissipation

ADTD (Developed by Asus) to handle **35W** CPU thermal envelope
High-exchange efficiency copper molding heatsink with heat-pipes
Temperature-Controlled cooling fan

Dimensions (WxDxH) 384x265 x 29.7~39.1

Weight 2.9 Kg with 6-cell battery

NOTE: Height varies depending upon where on the notebook the measurement is made. Weight varies by configuration and components.

Security

BIOS Booting User Password Protection
HDD User Password Protection and Security Lock
Kensington Lock hole provided

Software Utility

Asus Built or modified for Vista/Window 7

- ☑ Asus Winflash for BIOS and Live Update
- ☑ Power4Gear Hybrid
- ☑ Wireless Console 3
- ☑ Asus Screen Saver
- ☑ Adobe Acrobat Reader 9
- ☑ Color Enhancement (Splendid)
- ☑ ASUS MultiFrame
- ☑ ASUS LifeFrame
- ☑ ASUS Smart Logon
- ☑ ASUS Virtual Camera
- ☑ ASUS CopyProtect
- ☑ ADSM v2
- ☑ Norton Internet Security 2009
- ☑ ExpressGate2
- ☑ Fancy Start
- ☑ eManual
- ☑ SRS Premium Sound
- ☑ NBProde (Only suport install-all , do not support pre-install)
- ☑ Net4Switch (Only suport install-all , do not support pre-install)
- Asus Video Magic (CUDA support)

Shipment bundle S/W:

- ASUSDVD 6-in-1

Industry Standard Certifications

UL
CE Marking Compliance
FCC Compliance
BSMI

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Australia C-TICK / NZ A-Tick Compliance
Japan VCCI Compliance
IDA
CCC
GOST-R
CB

Regulation

EMI: CE, USA(FCC-B), TWN(BSMI/DGT), CCIB
Safety: CE, CB, CCC, UL, CCIB
Modem: Universal PPT including US (FCC-68), TWN (DGT), PRC (入網證), JPN (JATE), EURO (CTR21)
Wireless RF Certification: CHN, FCC, European, Telec
Anatel (For Brazil)
Imtero (For Brazil)
台灣環保標章
大陸節能標章
Energy Star
EPEAT
EU Flower

Windows Certification

- Compatibility: Window Vista, WinKey DTM
- Language: US Int'l, JAP, TWN
- Supported OS: Windows Vista 32/64 bit
- Driver WHQL support , Vista (64-bit one Disc)

Keyboard Language

- US(TWN), JP, UK, KOR before M/P
- France, GR CR,DN,CZ, IT, BL, NW, PO, SF, SP, SW, SC, FR, JP, RU ,UK Spain, TUR, AR when M/P

Casing

Plastic A/B/C/D parts (slim, lightweight and durability)
A/C parts are made with ASUS Infusion (IMF) technology & fingerprint painting
Copper Brown/White ID

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